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DOCUMENT-IDENTIFIER: US 5867785 A

TITLE: Method for providing communication service to communication units located within a common carrier transportation device

Detailed Description Text (29):

In addition to the handoff of mobile communication units within the common carrier transportation device 115 and handoff of the mobile system controller 200 from stationary base site to stationary base site, the present invention also provides for the handoff of a mobile communication unit (e.g.; 207) from the mobile system controller 200 to a stationary base site (e.g., 112). Such a situation, which might occur due to a mobile communication unit's user getting off of a train at a train stop, is depicted in FIG. 6. During the communication, the mobile system controller 200 monitors the received signal quality of the mobile communication unit's transmission. When the mobile communication unit 207 exits the common carrier transportation device 115, the mobile system controller 200 detects the reduction in received signal quality as the common carrier transportation device 115 leaves the location at which the mobile communication unit 207 exited. When the received signal quality degrades below a threshold, the mobile system controller 200 determines whether the mobile communication unit 207 should be handed off to another mobile base site within the common carrier transportation device 115. This determination is preferably accomplished, as described above with regard to FIG. 2, by using MAHO techniques to determine the appropriate target mobile base site.

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